

I. AMENDMENTS

A. Claim Amendments

The following replaces all prior versions and listings of claims in the Application:

1 1. (Currently Amended) A spring doctor for cleaning the rolls of a paper machine
2 during operation comprising:

3 a blade that is essentially the width of a roll being cleaned, and which is ~~attached~~
4 attachable to a blade holder; and operating means for creating a desired pressure of said
5 blade against the roll;

6 wherein said blade is manufactured from a composite material formed of a matrix
7 and a reinforcement, in which the reinforcement is formed of a fibrous material, so and
8 that, in operation, said blade is ~~convex in a direction outwards from the roll~~ curved on at
9 least part of a length of said blade and essentially nondeflecting, and has, in an immediate
10 vicinity of an attachment location for the blade holder, a bend or curve.

1 2. (Previously Presented) A spring doctor according to Claim 1, wherein the blade
2 holder is pivoted around a shaft pin, to be able to be rotated to at least a limited extent.

1 3. (Previously Presented) A spring doctor according to Claim 1, wherein said blade
2 has, at a distance from its point, a plate-like dirt protector.

1 4. (Cancelled).

1 5. (Previously Presented) A spring doctor according to Claim 1, wherein said blade
2 is a combination of a curved portion and an essentially straight portion.

1 6. (Previously Presented) A spring doctor according to Claim 1, wherein a thickness
2 of said blade varies over its length.

1 7. (Previously Presented) A spring doctor according to Claim 6, wherein said blade
2 thins towards its point.

1 8. (Previously Presented) A spring doctor according to Claim 1, wherein a number
2 or orientation of the reinforcing fibres of the composite material of said blade varies in
3 different parts of said blade.